

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1 1. (previously presented) An imprint template for imprint lithography that comprises:
2 alignment marks embedded in an embedding material included in bulk material of the
3 imprint template, wherein the embedding material surrounds the alignment marks.
- 1 2. (original) The imprint template of claim 1 wherein one or more of the alignment marks
2 are spaced one or more predetermined distances from a surface of the imprint template.
- 1 3. (original) The imprint template of claim 1 wherein the one or more predetermined
2 distances is sufficient to enable predetermined radiation to irradiate predetermined regions
3 disposed under a surface of the imprint template.
- 1 4. (previously presented) The imprint template of claim 1 wherein the alignment marks are
2 fabricated from a material whose index of refraction is different from that of at least the
3 embedding material.
- 1 5. (previously presented) The imprint template of claim 1 wherein the alignment marks are
2 fabricated from a material whose index of refraction is different from that of at least the
3 embedding material and that of a material into which an imprint is made.
- 1 6. (original) The imprint template of claim 1 wherein the alignment marks are metal.

1 7. (previously presented) The imprint template of claim 1 wherein a material disposed
2 between the alignments marks and a surface of the imprint template is the same material as the
3 embedding material and is the same material used to form other portions of the bulk material of
4 the imprint template.

1 8. (original) The imprint template of claim 1 wherein the surface of the imprint template
2 includes a release layer.

1 9. (original) The imprint template of claim 8 wherein the release layer is a fluorocarbon
2 release layer.

1 10. (original) The imprint template of claim 8 wherein the release layer is a covalently
2 bonded, thin, fluorocarbon film.

1 11. (previously presented) An imprint template for imprint lithography that comprises:
2 alignment marks embedded in an embedding material included in bulk material of the
3 imprint template, wherein said embedding material surrounds said alignment marks, with said
4 bulk material being transparent to radiation having a predetermined wavelength and said
5 alignment marks being spaced one or more predetermined distances from a surface of the imprint
6 template.

1 12. (original) The imprint template of claim 11 wherein the one or more predetermined
2 distances is sufficient to enable said radiation to irradiate predetermined regions in
3 superimposition with the imprint template.

1 13. (previously presented) The imprint template of claim 12 wherein the alignment marks are
2 fabricated from a material whose index of refraction is different from that of at least the
3 embedding material.

1 14. (original) The imprint template of claim 13 wherein the index of refraction of the material
2 differs from an index of refraction a layer into which an imprint is made.

1 15. (original) The imprint template of claim 14 wherein the alignment marks are metal.

1 16. (original) The imprint template of claim 15 wherein the surface of the imprint template
2 includes a release layer.

1 17. (original) The imprint template of claim 16 wherein the release layer is a fluorocarbon
2 release layer.

1 18. (original) The imprint template of claim 16 wherein the release layer is a covalently
2 bonded, thin, fluorocarbon film.

1 19. (previously presented) A. method for fabricating an imprint template for imprint
2 lithography that comprises steps of: depositing a mask on an imprint template;
3 etching alignment features through the mask into the imprint template;
4 depositing alignment marks into the alignment features;
5 over covering the alignment marks with a same material used to fabricate the imprint
6 template; and
7 removing the mask.

1 20. (previously presented) The method of claim 19 which further comprises treating the
2 surface of the imprint template.